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CAERNARVONSHIRE COUNTY COUNCIL.

Education Committee.

ANNUAL REPORT

of the

SCHOOL MEDICAL OFFICER

for the years

1946 and 1947

LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE
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Caernarvon.
October, 1949.

Introduction.

Depletion of staff and pressure of duties generally has caused the delay in presenting this report for the years 1946 and 1947. During 1946, it was impossible to inspect twenty-seven schools at which 3,427 pupils were in attendance. In 1947, these figures were reduced to 3 and 822 respectively.

There was no major outbreak of infectious disease among school children and their general health was very good. Attention is drawn to the results of immunisation against diphtheria in the body of the report.

Several children were referred for examination and treatment to the County Council's General Hospital in Bangor. Other children were referred to various voluntary hospitals in the county and elsewhere under arrangements for payment made in accordance with Circular 102.

Lack of accommodation for children requiring special educational facilities is creating many difficulties. One of the most urgent and pressing needs of the school service is the provision of special school accommodation.

The Authority's Child Guidance Service continued to progress. It provided assistance and relief to many parents and children. Details will be found on page 17.

Attention is drawn to the report on the Mass Radiography Service on pages 8 and 9.

Complete co-ordination between the School and the County Health Services continues to exist with resulting benefit to the school children. It has always been my aim to provide one complete co-ordinated health service for all ages in the community.

The teachers display much interest in the Service. The Inspector of the National Society for the Prevention of Cruelty to Children and members of the British Red Cross Society under the direction of Mrs. Williams-Ellis as County Director render very effective service in many directions. To them all I offer my sincere thanks.

D. Elarry-Pritchard.

School Medical Officer.

1. SCHOOL HEALTH SERVICES STAFF.

SCHOOL MEDICAL OFFICER.-	D.E. Parry Pritchard, M.D., D.P.H., M.B., Ch.B.
DEPUTY SCHOOL MEDICAL OFFICER.-	G. Wynne Griffith, M.B., Ch.B., D.P.H. (Commenced duties 10.11.1947)
ASSISTANT SCHOOL MEDICAL OFFICERS.-	E.M. Harding, M.B., Ch.B., D.P.H. M.A. Humphreys, M.B., B.Ch. T. Evans Hughes, M.R.C.S., L.R.C.P. Rhys C. Jones, M.B., Ch.B., D.P.H. (Temporary, appointed 21.10.1947) G.H.B. Roberts, M.B., B.Ch., D.P.H. (Resigned, June 1947)

SPECIAL SERVICES.-

Orthopaedic ...	B.L. McFarland, F.R.C.S., M.Ch. (Orth.)
Ophthalmic ...	T.G. Wynne Parry, M.R.C.S., L.R.C.P., D.O.M.S.
Ear, Nose and Throat ...	John Roberts, M.D., F.R.C.S.
Child Guidance ...	J.H.O. Roberts, M.D., D.P.M.
Psychiatric Officer ...	G.H. Gell, Diploma in Social Science, Certificate in Mental Health.

DENTAL STAFF.-

Senior Dental Officer.-	S. Jones Pritchard, L.D.S. (Commenced duties 1.9.1947)
Assistant Dental Officers.-	
(Central) ...	W.R. Davies, L.D.S.
(Northern) ...	I.W. Jones, L.D.S.
(Southern) ...	H. Parry, L.D.S.
Dental Attendants.-	
(Caernarvon) ...	Miss Esther Jones.
(Llandudno) ...	Miss M.E. Ratcliffe.

1. SCHOOL HEALTH SERVICES STAFF

SCHOOL MEDICAL OFFICER.- D.E. Perry Fritsherd, M.D., D.P.H., M.R., Ch.B.

DEPUTY SCHOOL MEDICAL OFFICERS.- O. Wynne Griffith, M.B., Ch.B., D.P.H.
(Commenced duties 10.11.1947)

ASSISTANT SCHOOL MEDICAL OFFICERS.- E.M. Hewlins, M.B., Ch.B., D.P.H.
M.A. Humphreys, M.B., B.Ch.
T. Evans Hughes, M.C.S., L.R.C.P.
Rhys C. Jones, M.B., Ch.B., D.P.H.
(Temporary, commenced 21.10.1947)
O.R.R. Roberts, M.B., B.Ch., B.A.
(Resigned, June 1947)

SPECIAL SERVICES.-

Orthoptists ... J.L. McFarlane, R.R.C.S., M.Ch. (Orth.)

Optometists ... T.O. Wynne Foxty, M.S.O.S., L.R.C.P., D.O.M.S.

Ear, Nose and Throat Clinic Dentists ... John Roberts, M.D., F.R.C.S.
Psychiatric Officer ... J.E.C. Roberts, M.D., D.P.M.
O.R. Gell, Diploma in Social Sciences, Certificate in Mental Health.

DENTAL STAFF.-

Senior Dental Officer.- E. Jones Fritsherd, L.D.S.
(Commenced duties 1.9.1947)

Assistant Dental Officers.-
(Central) ... E.D. Davies, L.D.S.
(Northern) ... I.T. Jones, L.D.S.
(Southern) ... H. Perry, L.D.S.

Dental Attendants.-
(Grammar) ... Miss Esther Jones.
(Elementary) ... Miss M.A. Ruscliffe.

NURSING STAFF ETC.-

(1) County Superintendent ... Miss M. Dennis Jones.

(2) Full-time Health Visitors and School Nurses.-

District.		Name.
Llandudno	...	Mrs. E. Pierce Griffith
Nevin	...	Miss Rosalind Owen
Nant Conway	...	Vacant
Portmadoc and Criccieth	...	Miss E. Thomas
Ogwen and Bethesda	...	Miss E.V. Thomas
Caernarvon	...	Mrs. G. Lloyd Roberts
Pwllheli	...	Miss E. Hughes
Nantlle Vale	...	Mrs. M. Roberts
Penmaenmawr and Llanfairfechan	...	Miss E.J. Thomson
Bangor	...	Miss G.M. Thomas
Conway	...	Miss E.J. Owen
Llanberis	...	Miss G.C. Richards
Portdinorwic	...	Miss M. Williams
Penrhynside	...	Miss Margaret Jones
Relief Duties	...	Miss Lilian Williams

In addition 14 part-time Health Visitors and School Nurses were employed.

(3) Physiotherapist ... Miss M.F. Williams

(4) Infectious Diseases and Clinic Nurse ... Miss M. Williams

(5) Orthoptist ... Miss B.M. Lightbound

NURSING STAFF, ETC.-

(1) County Superintendent ... Miss M. Dennis Jones.

(2) Full-time Health Visitors and School Nurses.-

District.		Name.
Llandudno	...	Mrs. E. Pierce Griffith
Bevin	...	Miss Penelope Owen
West Conwy.	...	Vacant
Portmadoc and Criccieth	...	Miss A. Thomas
Ogwen and Bethesda	...	Miss A.V. Thomas
Caernarvon	...	Mrs. E. Lloyd Roberts
Swiftsyn	...	Miss E. Hughes
Menai Vale	...	Mrs. M. Roberts
Penmaenmawr and Llanfairfechan	...	Miss J.L. Williams
Bangor	...	Miss G.D. Thomas
Conway	...	Miss C.I. Owen
Llanberis	...	Miss E.J. Roberts
Portmadoc	...	Miss M. Williams
Ferrybridge	...	Miss Margaret Jones
Relief Duties	...	Miss Lilian Williams

In addition 14 part-time Health Visitors and School Nurses were employed.

(3) Psychotherapist ... Miss M.F. Williams

(4) Infectious Diseases and Clinic Nurse ... Miss M. Williams

(5) Orthoptist ... Miss M.E. Lightbound

School Health Services - Clinics - 1947.

Clinic	Place Held	Days Held	Time	Attended By
Orthopaedic and Ultra Violet Ray	1. War Memorial Centre, Oxford Road, Llandudno.	Every Monday	10.0 a.m. - 4.0 p.m.	Physiotherapist
	2. Central Clinic, Shirehall Street, Caernarvon	Every Tuesday	9.0 a.m. - 5.0 p.m.	-do-
	3. Vestry - Penmount Chapel, Pwllheli.	Every Wednesday	10.0 a.m. - 4.0 p.m.	-do-
	4. Labour Club, Portmadoc.	Every Thursday	10.0 a.m. - 4.0 p.m.	-do-
	5. School Clinic, Sackville Road, Bangor.	Every Friday	9.30 a.m.- 4.30 p.m.	-do-
	Survey Clinic held each month at the Centres (except Portmadoc) in rotation. Attended by Orthopaedic Surgeon.			
Dental	1. War Memorial Centre, Oxford Road, Llandudno.	Every Saturday *	10.0 a.m. - 12.0 noon	School Dentist Dental Attendant
	2. School Clinic, Sackville Road, Bangor.	1st Saturday monthly.	10.0 a.m. - 12.0 noon	-do-
	3. Central Clinic, Shirehall Street, Caernarvon.	Every Saturday	10.0 a.m. - 12.0 noon	-do-
	* This Clinic is held at Dolgarrog periodically.			

School Health Services - Clinics - 1947 (Continued)

Clinic	Place Held	Days Held	Time	Attended by
Ear, Nose and Throat	C & A Infirmary, Bangor.	Every Monday	2.30 p.m.	E.N.T. Specialist
	Llandudno and District Hospital.	First and Third Tuesdays monthly	2.30 p.m.	E.N.T. Specialist
Visual Defects	War Memorial Centre Oxford Road, Llandudno. Central Clinic, Shirehall Street, Caernarvon. School Clinic, Sackville Road, Bangor. Penmount Chapel Vestry, Pwllheli	Held according to number of cases requiring treatment		Ophthalmic Specialist, Clinic Officer. School Nurse.
Orthoptic	School Clinic Sackville Road, Bangor.	Mondays Wednesdays	9.30 a.m. - 12.0 noon (9.30 a.m. - 12.0 noon (2.0 p.m. - 4.30 p.m.	Orthoptist
	Labour Club, Portmadoc.	First and Third Tuesdays monthly	(10.15a.m. - 12.0 noon (2.0 p.m. - 3.45 p.m.	-do-
	"Cartref", Ala Road, Pwllheli.	Second and Fourth Tuesdays monthly	(10.15a.m. - 12.0 noon (2.0 p.m. - 3.45 p.m.	-do-
	War Memorial Centre, Oxford Road, Llandudno.	Friday	10.0 a.m. - 12.0 noon	-do-
	Central Clinic, Shirehall Street, Caernarvon.	Monday Thursday	2.0 p.m. - 5.0 p.m. (9.30a.m. - 12.0 noon (2.0 p.m. - 5.0 p.m.	-do-

School Health Services - Clinics - 1947 (Continued)

Clinic	Place Held	Days Held	Time	Attended by
Minor Ailments	1) School Clinic, Sackville Road, Bangor.	Mondays, Wednesdays and Fridays.	9.0 a.m. - 9.30 a.m.	Health Visitor and School Nurse.
	2) Central Clinic, Shirehall Street, Caernarvon.	Daily	4.0 p.m. - 5.0 p.m.	-do-
	3) War Memorial Centre, Oxford Road, Llandudno.	Daily	4.0 p.m. - 5.0 p.m.	-do-
Child Guidance Clinic.	1) War Memorial Centre, Oxford Road, Llandudno.	First and Third Wednesdays in each month.	11.0 a.m. - 1.0 p.m. and 2.0 p.m. to 4.0 p.m.	Psychiatric Officer.
	2) School Clinic, Sackville Road, Bangor.	Every Tuesday	10.0 a.m. - 12.45 p.m. and 2.0 p.m. - 4.0 p.m.	(Psychiatric Officer (Psychologist. (Psychiatrist. Psychologist.
	3) Central Clinic, Shirehall Street, Caernarvon.	Second and Fourth Mondays each month Thursdays Saturdays	10.0 a.m. - 12.0noon 9.30 a.m. - 12.0noon 9.30 a.m. - 11.30a.m.	Psychiatric Officer. -do- -do-
	4) Vestry - Penmount Chapel, Pwllheli.	First and Third Mondays each month	11.0 a.m. - 1.0 p.m.	Psychiatric Officer.
	5) Labour Club, Portmadoc.	Second and Fourth Fridays in each month.	2.0 p.m. - 4.0 p.m.	Psychiatric Officer.

SUMMARY OF WORK FOR THE YEARS 1946 AND 1947.

	1946	1947
School Population (Number on Books at the beginning of the year) ...	17,048	17,051
(Number on Books at the end of the year) ...	17,051	17,380
Children medically examined at Routine, Special and Re-inspections	13,083	15,072
Individual children found at Routine Medical Inspections to require treatment (excluding defects of Uncleanliness and Dental Diseases) ...	260	672
Individual children treated:-		
Errors of Refraction (including Squint)	1,023	1,317
Defects of Nose and Throat	262	297
Dental Defects	5,329	6,006
Orthopaedic (a) In Hospitals or Hospital Schools ...	15	25
(b) In Clinics or Out-Patients' Departments...	93 plus 113 U.V.R.	208
Number of Spectacles supplied	762	926
Minor Ailments (defects) treated	2,901	1,961

CONDITION OF SCHOOL BUILDINGS AND PLAYGROUNDS

Reports on defects found at 97 schools in 1946 and 103 schools in 1947 were submitted to the Director of Education. The defects are enumerated in this Table.

NATURE OF DEFECT	No. Found 1946	No. Found 1947	NATURE OF DEFECT	No. Found 1946	No. Found 1947
Insufficient or Unsatisfactory Water Supply	11	15	Unsuitable Entrances-absence of guardrails motor warnings, etc.	8	12
Defective or Insufficient Ventilation	8	6	Unsuitable playgrounds	35	18
Defective or Insufficient Heating Arrangements	32	27	Absence of or unsuitable dining accommodation	2	2
Unsuitable or Insufficient Lighting	24	20	Absence of Open Air Shelters	-	2
Unsuitable Closet Accommodation	30	52	Unsuitable or Defective Blackboards	9	17
Insufficient Washbasins	8	9	Premises requiring to be decorated	9	9
Dampness	9	5	Desks and/or chairs unsuitable	4	3
Insufficient Cloakroom Accommodation	13	15	Premises generally unsuitable	3	4

MEDICAL INSPECTIONS

Medical Inspections of school children have been carried out in accordance with the provisions of the Handicapped Pupils and School Health Service Regulations, 1945. The periods specified in the Regulations for carrying out these inspections are:-

(a) Children admitted for the first time to a maintained school - as soon as possible after the date of admission;

(b) Children attending maintained Primary schools - during their last year of attendance at such schools;

(c) Children attending maintained Secondary Schools - during their last year of attendance at such schools;

(d) Children attending maintained schools or County Colleges - from time to time as the Minister may direct.

In addition special inspections are carried out at the various Clinics and all children found to be suffering from defects are periodically re-inspected.

FINDINGS OF MEDICAL INSPECTION.

UNCLEANLINESS:- The numbers of inspections for cleanliness by school nurses were 98,011 in 1946 and 87,098 in 1947. Of those inspected 2593 (2.64%) in 1946, and 2221 (2.55%) in 1947, were found to be unclean. Action was taken in accordance with Section 54 (2) of the Education Act, 1944, 375 cleansing notices and 11 cleansing orders being issued.

DEFECTS OF THE NOSE AND THROAT:- Of the 15072 children examined in 1947, 194 (1.28%) were found to require treatment.

ERRORS OF REFRACTION (INCLUDING SQUINT):- The total number of children found to require treatment for defective vision in the periodic and special inspections during 1947 was 272 or 1.79% of those examined. In addition 58 (0.38%) children were found to require treatment for squint.

DEFECTIVE HEARING AND EAR DISEASES:- Sixteen children (0.1%) were found to require treatment for defects of the ears during 1947.

TUBERCULOSIS:- School Children notified to be suffering from Tuberculosis during 1946 and 1947.

Year	Pulmonary		Non-Pulmonary		Total		Grand Total
	M.	F.	M.	F.	M.	F.	
1946	4	6	4	4	8	10	18
1947	2	4	5	7	7	11	18

MASS RADIOGRAPHY: The Mass Radiography Unit of the Welsh National Memorial Association visited the County in January and February 1947 and undertook a Survey of School children over the age of 11 years. A total of 5,866 children were examined in a number of centres. The purpose of the Survey was, of course, to ascertain the incidence of tuberculosis among the older school children. Sufficient detail is not obtainable on the miniature radiograph to make a firm diagnosis in all cases and where a doubt exists, a further full-scale radiograph is taken of that subject. It was necessary to recall 200 children for further examination.

The attached Table 1 sets out in detail the findings of the Survey.

When a case of tuberculosis was discovered or suspected a report was sent to the family doctor and the child referred to the Tuberculosis Officer. As a result of this Survey and of the examination by the Tuberculosis Officer of cases referred to him, three children were found to be suffering from active Pulmonary Tuberculosis, an incidence of approximately one in two thousand. Three additional cases are still under observation by the Tuberculosis Officer and the final diagnosis has not yet been made.

In a survey of this nature it is to be expected that abnormalities of other structures in the chest such as the heart and the spine and non-tuberculous diseases of the lung should be discovered. These are shown in Table 1.

Among the interesting facts revealed by the Survey is the evidence of healed tuberculous infection - the so called "Primary Focus" - in a considerable proportion (12%) of the children examined.

Table 11 gives the percentage of the children examined at the various centres showing evidence of such healed tuberculosis. These figures indicate the amount of tuberculous infection among the communities concerned and also the extent to which the youngsters in those communities are subjected to the risk of contracting infection. The percentage (12.0) for the County of children over the age of 11 years who show evidence of having been infected with the germ of tuberculosis is disturbing, but there are grounds for believing that had such a Survey been conducted 20 or 30 years ago the figure would have been much higher. The disparity between the findings in the Pwllheli and Caernarvon Areas on the one hand, and the Llandudno Area on the other, indicate what a long way we are from eliminating the dangers of tuberculosis.

All the children who were discovered to have a healed tuberculous infection are being kept under special observation. Those who showed evidence of any other abnormal condition have been seen in schools and any necessary treatment has been prescribed.

Some measure of confidence can be derived from the Authority's provision of meals, milk and vitamin supplements in schools, and of the Tuberculosis Care Scheme, as two important factors in lowering the incidence of active tuberculosis. The most important and potent cause of the spread of infection is the retention in, and the return to his own home of the "open" active case of tuberculosis because of the inadequacy of beds in Sanatoria.

TABLE 1

Total Examined 5,866.

Referred to the Tuberculosis Officer	23
Active Pulmonary Tuberculosis.	3
Still under observation.	3
Failed to attend, left the County, etc.	3
Other Lesions included below.	14

Heart Disease	2
Chest Disease (Non-tuberculous)...	5
Orthopaedic cases	92
Evidence of Healed Tuberculosis	708

TABLE 11

MASS RADIOGRAPHY.

AREA	NUMBER EXAMINED	NUMBER SHOWING INCIDENCE OF HEALED TUBERCULOSIS	INCIDENCE %
Pwllheli	847	138	16.3
Bangor.	1443	207	14.3
Portmadoc.	417	67	16.0
Caernarvon	1292	256	19.8
Llandudno	1222	15	1.2
Penygroes	479	16	3.3
Dolgarrog	166	9	5.4
Totals	5866	708	12.0

NUTRITION:- Classification of the general condition of pupils inspected during:-

1946

AGE GROUPS	Number of Pupils Inspected.	A Excellent		B V. Good		C Sub-Normal		D Bad	
		No.	%age	No.	%age	No.	%age	No.	%age
Entrants	1711	121	7.07	1404	82.04	184	10.75	2	0.12
Second Age Group	1375	77	5.6	1087	78.05	208	15.1	3	0.21
Third Age Group	991	60	6.0	795	80.23	136	13.7	-	-
Other Periodic Inspections	1120	159	14.2	837	74.7	124	11.1	-	-
TOTAL	5197	417	8.0	4123	79.3	652	12.5	5	0.09

1947

AGE GROUPS	Number of Pupils Inspected	A (Good)		B (Fair)		C (Poor)	
		No.	%age	No.	%age	No.	%age
Entrants	2099	1464	69.8	600	28.6	35	1.6
Second Age Group	1610	1009	62.6	555	34.5	46	2.8
Third Age Group	1107	842	76.1	247	22.3	18	1.6
Other Periodic Inspections	1288	942	73.1	341	26.5	5	0.4
TOTAL	6104	4257	69.7	1743	28.6	104	1.7

SKIN DISEASES:- Treatment for skin diseases was given in 330 instances, of which 20 were Ringworm (Scalp 2, Body 18), Scabies 79, Impetigo 158 and other skin diseases 73.

EDUCATIONALLY SUB-NORMAL CHILDREN:- There were 72 Educationally Sub-Normal Children on the register at the end of 1947. Of these 60 (37 males and 23 females) were in maintained Primary or Secondary Schools and 12 (10 males and 2 females) were not at School. Two children were reported by the School Services Committee to the Mental Health. Committee under Section 57 (3) of the Education Act, 1944, and they were both placed under Statutory Supervision.

DENTAL DEFECTS:- The Dental Staff consisted of three Dental Officers and on September 1st, 1947, the Senior Dental Officer commenced duties.

The School population was 17,051.

In the statistics relating to inspection and treatment for 1947, it will be noticed that approximately 5,000 children had been inspected in excess of the school population. This means that approximately 5,000 children had been re-inspected during the year. The Senior Dental Officer is reorganising the Dental Scheme, so that complete conservative treatment is offered annually to children attending all types of schools, whose parents accept treatment.

During the last quarter of 1947 some Orthodontic cases were undertaken. Provision for treatment of cleft palates and other abnormalities are under consideration.

The statistics relating to inspection and treatment are:-

	1946	1947
Inspected	19,207	21,877
The number inspected include:-		
"Specials"	332	111
Found to require treatment	8,512	9,263
Treated	5,329	6,006
Fillings in Permanent teeth	2,466	3,000
" " Temporary "	217	117
Extractions of Permanent teeth	672	615
" " " Temporary "	6,379	6,620
Inspection Sessions	249	268.5
Treatment Sessions	911	866.5

MEDICAL AND SURGICAL TREATMENT.

MINOR AILMENTS:- A total of 2,901 Minor Ailments were treated during 1946. In 1947, 1961 Minor Ailments, comprising 330 skin complaints, 73 Eye Diseases, 94 Ear Defects and 1464 miscellaneous defects were treated. The number of attendances at the various clinics was 5050.

VISUAL DEFECTS:- A total of 1023 children were referred to the Ophthalmic Specialist in 1946, and spectacles were prescribed to 829 of them. Other forms of treatment were given to 119 children.

The Ophthalmic Specialist examined 1317 children in 1947 and spectacles were supplied in 1059 instances. In addition 94 minor eye defects were dealt with at the Minor Ailment Clinics.

EAR DEFECTS:- Forty-three children with defects of the ear were seen by the Specialist in 1946. In 1947, seventy children were examined and in six instances treatment was performed at the hospital at the time of consultation. In addition 94 defects were treated at the Minor Ailment Clinics.

NOSE AND THROAT:- Operative treatment for urgent cases of Tonsils and Adenoids was provided at the C. and A. General Hospital, Bangor and at the Llandudno and District Hospital

Particulars of Defects of Nose and Throat.

	1946	1947
Operative treatment for Adenoids and Chronic Tonsillitis	178	140
Operative Treatment for Other Nose and Throat Conditions	2	3
Other Forms of Treatment	39	154
Total.	219	297

Statement of operative treatment and consultations from 1937 to 1947:-

Year	Operations	Consultations
1937	133	31
1938	299	33
1939	36	-
1940	141	14
1941	51	-
1942	118	-
1943	152	6
1944	245	45
1945	350	112
1946	180	82
1947	143	154

ORTHOPTIC REPORT

	1946	1947
Total number of patients attending clinics	179	270
Number of new patients	104	135
Number of attendances	1621	1572
Occlusions	939	942
Treatments	682	630
Unsuitable cases	7	2
Patients left district	7	4
Amblyopic patients failing to improve and discharged	6	2
Cases referred to Psychiatric Clinic	-	3
Cases referred for Cosmetic operations	4	7
Patients left school	-	3
Unsatisfactory cases	18	5
Number of operations (4 Cosmetic only)	-	16
Cases apparently cured by treatment only	30	18
Cases apparently cured by treatment plus operation	2	7
Patients failing to report	56	96
Amblyopic cases cured (No squint)....	3	2
Patients awaiting operations	9	10

ORTHOPTIC CLINICS

CLINIC	Number of Occlusions		Number of Treatments		Number Cured		Patients Awaiting Treatment		Patients failing to report	
	1946	1947	1946	1947	1946	1947	1946	1947	1946	1947
LLANDUDNO	179	179	-	-	3	3	7	3*	9	16
BANGOR	293	252	350	289	12	3	9	-	13	22
CAERNARVON	334	273	332	341	5	7	8	11	24	31
PWLLHELI	69	157	-	-	7	5	8	2	7	17
PORTMADOC	64	81	-	-	3	-	2	1	3	10
TOTAL	939	942	682	630	30	18	34	17	56	96

* Too young.

ORTHOPAEDIC REPORT FOR THE YEARS 1946 AND 1947

SURVEY CLINICS

1946

PLACE HELD	No. of Sessions	New Cases attended	Old Cases attended	TREATMENT ADVISED							Discharged
				Hosp	Appliances	Massage & S.R.E.	Obs	Cod Liver Oil	X Ray	No Defects Found	
LLANDUDNO	3	27	83	7	17	27	37	9	4	15	15
BANGOR	3	35	110	8	22	38	38	6	3	10	17
CAERNARVON	3	39	88	8	24	33	39	9	6	9	8
PWLLHELI	3	30	72	9	26	29	28	11	5	13	8
TOTALS	12	131	353	32	89	127	142	35	18	47	48

1947

LLANDUDNO	3	27	84	6	30	21	30	2	3	3	12
BANGOR	3	44	120	9	35	25	66	2	8	13	3
CAERNARVON	3	55	98	7	35	28	50	1	5	18	6
PWLLHELI	3	36	62	7	21	39	29	1	8	16	5
TOTALS	12	162	364	29	121	113	175	6	24	50	26

HOSPITAL CASES

	1946	1947
On Waiting List at the beginning of the year ...	16	16
Advised treatment during the year	32	29
	48	45

AFTER-CARE CENTRES

PLACE HELD	Number of Sessions held		Individual Cases who attended		TOTAL Attendances	
	1946	1947	1946	1947	1946	1947
LLANDUDNO	42	72	19	74	314	155
BANGOR	75	79	25	87	379	183
CAERNARVON	74	63	22	80	257	131
PORTMADOC	42	30	12	10	249	162
PWLLHELI	43	35	15	19	236	184
TOTALS	276	279	93	270	1435	815

ULTRA VIOLET RAY CLINIC

PLACE HELD	Number of Sessions held		Total Attendances	
	1946	1947	1946	1947
LLANDUDNO	42	51	332	502
BANGOR	75	58	852	594
CAERNARVON	74	58	871	631
TOTALS	191	167	2055	1727

PARTICULARS OF HANDICAPPED PUPILS - DECEMBER, 1947

	IN SPECIAL SCHOOLS		IN MAINTAINED PRIMARY OR SECONDARY SCHOOLS		IN INDEPENDENT SCHOOLS		NOT AT SCHOOL		TOTAL	
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
Blind	3	3	-	-	-	-	1	-	4	3
Partially Sighted	-	1	6	6	-	-	-	-	6	7
Deaf	2	3	1	1	-	-	-	-	3	4
Partially Deaf	-	-	8	6	-	-	-	-	8	6
Delicate	-	-	30	29	-	-	4	3	34	32
Diabetic	-	-	2	-	-	-	-	1	2	1
Epileptic	-	1	4	3	-	-	-	-	4	4
Educationally Sub-Normal	-	-	37	23	-	-	10	2	47	25
Maladjusted	-	-	-	-	-	-	-	-	-	-
Physically Handicapped	-	-	15	11	-	-	1	1	16	12
Speech Defects	-	-	12	5	-	-	-	-	12	5
Multiple Defects	-	1	3	1	-	-	1	-	4	2

PSYCHIATRIC SERVICE and CHILD GUIDANCE.

This service was instituted at the beginning of the war with the advent of evacuation. Difficult children were dealt with at ten Hostels and later transferred to a Special Hostel established for the purpose of dealing more specifically with various maladjustments. As the number of cases increased, Child Guidance clinics were established at Caernarvon, Bangor, Llandudno, Portmadoc and Pwllheli. These clinics were held twice monthly and cases were referred to the Psychiatric Social Workers by Matrons of Hostels, Assistant Medical Officers, Billeting Officers, Health Visitors, Police, Probation Officers and School Teachers.

Mr. G. H. Gell was appointed as Psychiatric Officer in September, 1942. In addition to performing duties as Psychiatric Social Worker, he undertook psychological testing and organised play therapy sessions. Early in 1943, I secured the ready co-operation of Dr. J. H. O. Roberts, the Medical Superintendent of the North Wales Hospital for Mental and Nervous Disorders, Denbigh, who attended the main Clinic at Bangor twice monthly. Later in the same year the Educational Adviser to the University College of North Wales became an honorary member of a team which was later joined by the Psychologist of the North Wales Hospital for Mental and Nervous Disorders. Despite the return of the evacuees to their own homes the growing appreciation of the facilities offered by the Child Guidance Clinics became more apparent and the number of cases attending increased annually and it was necessary to hold the Clinic at Bangor weekly.

Summary of Work during 1946 and 1947.

		1946	1947
Number of Cases Referred:	Boys	69	74
	Girls	25	39
	Total	94	113
Results:	Improved	14	9
	Much Improved	12	8
	Not Improved	-	3
	Unco-operative	6	5
	Still under treatment	23	53
Cases referred for diagnosis:		39	35
	Total	94	113

INCIDENCE OF INFECTIOUS DISEASES AMONGST SCHOOL CHILDREN DURING 1946 AND 1947.

Disease	1946	1947
Scarlet Fever	49	39
Diphtheria	4	2
Whooping Cough	42	60
Measles	132	289
Pneumonia	2	2
Cerebro-spinal Meningitis	-	1
Acute Poliomyelitis	-	3
Dysentery	7	-
Chicken Pox	23	7
TOTAL	259	403

During the year 1947 there was an outbreak of Poliomyelitis and 7 cases of school age were notified, of these one died. One school was closed for 4 days on account of an epidemic of Measles.

IMMUNISATION AGAINST DIPHTHERIA:- This Authority, introduced a scheme for the immunisation of children against Diphtheria in January 1939, well in advance of the National Campaign launched by the Ministry of Health during the war.

The injections are given by the Assistant School Medical Officers personally, either at the Infant Welfare Clinics or at the Schools. Parents are urged by the Health Visitors to avail themselves of these valuable facilities.

During 1946, 1435 children completed the first course of inoculations. Of these 49 (3.4%) children were under one year old and 1219 (85.0%) were between 1 and 5 years of age, and 167 (11.6%) children were between 5 and 14 years of age. In addition, 1401 children received boosting doses.

In 1947, 1610 children completed the first course. Of these 61 (3.8%) children were under 1 year old and 1410 (87.6%) were between 1 and 5 years of age and 139 (8.6%) children were between 5 and 15 years of age. In addition, 1622 children received boosting doses. I estimate that in the County as a whole 72.9% of the child population (under 15 years of age) are fully protected. Of the children under 5 years of age 54.4% are protected.

It is gratifying to report that this measure is having the desired effect. There was not a single death from diphtheria in this County in 1947. The following figures demonstrate the efficiency of Diphtheria Immunisation.

ENGLAND AND WALES			CAERNARVONSHIRE		
Year	Number of cases Notified	Number of Deaths	Year	Number of cases Notified	Number of Deaths
1940	46,281	2480	1940	71	6
1947	10,469	245	1947	4	Nil

NUMBER AND PERCENTAGE OF CHILDREN IMMUNISED AS AT 31st DECEMBER 1947

	0-4 Years	5-14 Years	TOTAL
Child Pupulation	8730	12215	20945
Children Immunised	4746	10515	15261
Percentage	54.4%	86.1%	72.9%

ANALYSIS OF THE ABOVE TABLE

YEAR OF BIRTH	1933-1937	1938-1942	1943	1944	1945	1946	1947	TOTAL
Number of Children Immunised	4342	6173	1402	1267	1028	988	61	15261

OPEN AIR EDUCATION

There are no Residential Open Air Schools in the County. Cases in need of Open Air Schooling are admitted to Schools at Liverpool, Penhesgyn, etc.

MILK-IN-SCHOOLS SCHEME

The provision of free milk to school children was originally recommended to the Committee in my Annual Report for 1932, and with the help of various voluntary associations who provided free milk to necessitous and delicate children in their own localities, this became an accomplished fact. During a period of 9 months in 1933 approximately 6000 bottles of free milk were supplied to Junior Schools in Caernarvon alone. It was in October 1934, however, that the original Milk-in-Schools Scheme was introduced and various types of graded milks became available for about 12,000 children. Strict supervision of all sources of supplies helped to ensure the cleanliness and safety of the milk.

In 1938, 160 schools were supplied with milk, and during 1947, 169 schools were supplied from 47 sources of supply with approximately 14,834 (86.0%) children partaking.

Every effort is made to supply schools with Tuberculin Tested or Pasteurised Milk in one third pint containers. When this is not available ordinary milk is supplied and the Veterinary Officer of the Ministry of Agriculture is requested to carry out clinical examinations of the herds concerned. Instructions are also given that ordinary milk must be pasteurised at the schools before it is given to the children. During 1947, 102 schools were supplied with Pasteurised Milk; 26 with Tuberculin Tested Milk; 1 with Accredited Milk; 37 with ordinary milk, and in three instances, where liquid milk was not available, the children were supplied with National Dried Milk.

SCHOOL MEALS

The number of schools provided with meals during 1947 was 156 with approximately 12,110 children partaking.

MINISTRY OF EDUCATION

MEDICAL INSPECTION RETURNS

1946

MEDICAL INSPECTION OF PUPILS ATTENDING MAINTAINED PRIMARY AND SECONDARY SCHOOLS

A. Periodic Medical Inspections.

Number of Inspections in the prescribed Groups:-

Entrants	1,711
Second Age Group	1,375
Third Age Group	991
TOTAL	4,077
Other Periodic Inspections ...	1,120
GRAND TOTAL	5,197

B. Other Inspections.

Number of Special Inspections ...	2,184
Number of Re-inspections ...	5,702
TOTAL	7,886

TREATMENT TABLES

DEFECTIVE VISION AND SQUINT (Excluding Eye Disease treated as Minor Ailments)

	Number of Defects dealt with
Errors of Refraction (including squint)	904
Other defect or disease of the eyes	119
	1,023
Number of pupils for whom spectacles were	
(a) Prescribed	829
(b) Obtained	762

TREATMENT OF DEFECTS OF NOSE AND THROAT

	Total number treated
Received operative treatment:-	
(a) for adenoids and chronic tonsillitis (b) for other nose and throat conditions	180
Received other forms of treatment:-	82
	262

DENTAL INSPECTION AND TREATMENT

(1) Number of pupils inspected by the Dental Officers:-	
(a) Periodic age groups	18,875
(b) Specials	332
(c) TOTAL	19,207
(2) Number found to require treatment:-	8,512
(3) Number actually treated:-... ...	5,329
(4) Attendances made by pupils for treatment:-	6,803
(5) Half-days devoted to:-	
(a) Inspection	249
(b) Treatment	911
TOTAL (a) and (b)	1,160
(6) Fillings: Permanent Teeth ...	2,466
Temporary Teeth ...	217
TOTAL	2,683
(7) Extractions:	
Permanent Teeth ...	672
Temporary Teeth ...	6,379
TOTAL	7,051
(8) Administration of general anaesthetic for extraction:	NIL
(9) Other operations:	
Permanent Teeth ...	405
Temporary Teeth ...	638
TOTAL	1,043

MINISTRY OF EDUCATION

M E D I C A L I N S P E C T I O N R E T U R N S

MEDICAL INSPECTION OF PUPILS ATTENDING MAINTAINED PRIMARY AND SECONDARY SCHOOLS

1947

A. PERIODIC MEDICAL INSPECTIONS

Number of Inspections in the prescribed Groups

Entrants	2099
Second Age Group	1610
Third Age Group	1107
Total	4816
Number of other Periodic Inspections	1288
Grand Total	6104

B. OTHER INSPECTIONS

Number of Special Inspections	2310
Number of Re-Inspections	6658
Total	8968

C. PUPILS FOUND TO REQUIRE TREATMENT

Number of Individual Pupils found at Periodic Medical Inspection to require treatment.

Group	For defective vision (excluding squint)	For any of the other conditions recorded in Table 11A	Total individual pupils
Entrants	31	168	196
Second Age Group	88	135	218
Third Age Group	59	106	165
Total (prescribed groups)	178	409	579
Other Periodic Inspections	56	39	93
Grand Total	234	448	672

RETURN OF DEFECTS FOUND BY MEDICAL INSPECTION IN THE YEAR ENDED 31st. DECEMBER, 1947.

Defect Code No.	Defect or Disease	PERIODIC INSPECTIONS Number of Defects		SPECIAL INSPECTIONS Number of Defects	
		Requiring treatment (2)	Requiring to be kept under observation but not requiring treatment (3)	Requiring treatment (4)	Requiring to be kept under observation but not requiring treatment (5)
4	Skin	61	-	7	-
5	Eyes -a.Vision	234	156	32	20
	b.Squint	56	42	2	6
	c.Other	6	60	-	16
6	Ears -a.Hearing	10	30	-	5
	b.Otitis Media	4	2	-	33
	c.Other	1	2	1	1
7	Nose or Throat	183	1085	11	186
8	Speech	-	48	-	12
9	Cervical Glands	-	705	-	122
10	Heart and Circulation	-	401	-	61
11	Lungs	10	195	1	36
12	Development -				
	a.Hernia	-	18	-	7
	b.Other	-	-	-	-
13	Orthopaedic -				
	a.Posture	23	45	6	10
	b.Flat foot	30	42	4	12
	c.Other	8	38	1	8
14	Nervous system -				
	a.Epilepsy	-	8	-	2
	b.Other	1	14	-	1
15	Psychological -				
	a.Development	-	36	-	15
	b.Stability	42	29	11	6
16	Other	13	146	5	28

TREATMENT TABLES

GROUP 1 - MINOR AILMENTS.

(a)	Number of Defects treated, or under treatment during the year
SKIN -	
Ringworm - Scalp -	
(i) X-Ray treatment.	-
(ii) Other treatment	2
Ringworm - Body	18
Scabies	79
Impetigo	158
Other skin diseases	73
Eye Disease	73
Ear Defects	94
Miscellaneous	1464
Total	1961

(b) Total number of attendances at Authority's minor ailment clinics 5050

GROUP 11 - DEFECTIVE VISION AND SQUINT

	No. of defects dealt with
ERRORS OF REFRACTION (including squint)	1157
Other defect or disease of the eyes	160
Total	1317
No. of Pupils for whom spectacles were (a) Prescribed	1059
(b) Obtained	926

GROUP 111 - TREATMENT OF DEFECTS OF NOSE AND THROAT

	Total number treated.
Received operative treatment -	
(a) for adenoids and chronic tonsillitis	140
(b) for other nose and throat conditions	3
Received other forms of treatment	154
Total	297

GROUP 1V - ORTHOPAEDIC AND POSTURAL DEFECTS

(a) No. treated as in-patients in hospitals or hospital schools	25
(b) No. treated otherwise e.g. in clinics or out-patient departments.	208

GROUP V - CHILD GUIDANCE TREATMENT AND SPEECH THERAPY

No. of pupils treated (a) under Child Guidance arrangements	102
(b) under Speech Therapy arrangements	Nil

DENTAL INSPECTION AND TREATMENT

(1) Number of pupils inspected by the Authority's Dental Officers -		
	(a) Periodic age groups	21766
	(b) Specials	111
	(c) TOTAL (Periodic and Specials)	21877
(2) Number found to require treatment		9263
(3) Number actually treated		6006
(4) Attendances made by pupils for treatment		7073
(5) Half-days devoted to:	(a) Inspection	268.5
	(b) Treatment	866.5
	Total (a) and (b)	1135
(6) Fillings:	Permanent Teeth	3000
	Temporary Teeth	177
	Total	3177
(7) Extractions:	Permanent Teeth	615
	Temporary Teeth	6620
	Total	7235
(8) Administration of general anaesthetics for extraction		-
(9) Other Operations:	(a)Permanent Teeth	376
	(b)Temporary Teeth	593
	Total (a) and (b)	969

INFESTATION WITH VERMIN

(i) Total number of examinations in the schools by the school nurses or other authorised persons	87,098
(ii) Total number of individual pupils found to be infested	2,221
(iii) Number of individual pupils in respect of whom cleansing notices were issued (Section 54 (2), Education Act, 1944)	375
(iv) Number of individual pupils in respect of whom cleansing orders were issued (Section 54(3), Education Act, 1944)	11

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